



MAILED

JUN 17 2002

Technology Center 2600

2623

PATENT #2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Darren D. Cofer et al.

Serial No.: 09/981,928 •

Examiner: unknown

Filed: October 16, 2001 •

Group Art Unit: unknown

For: OBJECT DETECTION

Docket No.: 1100.1152101 (H0002064)

TRANSMITTAL SHEET

Assistant Commissioner for Patents
Washington, D.C. 20231

CERTIFICATE UNDER 37 C.F.R. 1.8: I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 6th day of June, 2002.

By _____

Brian N. Tufte

We are transmitting herewith the attached:

[X] Information Disclosure Statement Before First Office Action (37 CFR 1.97(b)), PTO Form-1449 and 86 cited references.

[X] Please charge any deficiencies or credit any overpayment in the enclosed fees to Deposit Account No. 50-0413.

By: _____

Brian N. Tufte, Reg. No. 38,638
CROMPTON, SEAGER & TUFTE, LLC
331 Second Avenue South, Suite 895
Minneapolis, Minnesota 55401-2246
Telephone: (612) 677-9050
Facsimile: (612) 359-9349



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Darren D. Cofer et al.

Serial No.: 09/981,928

Examiner: unknown

Filed: October 16, 2001

Group Art Unit: unknown

For: OBJECT DETECTION

Docket No.: 1100.1152101 (H0002064)

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

CERTIFICATE UNDER 37 C.F.R. 1.8: I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 11 day of June, 2002.

By

Brian N. Tufte

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F. R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is intended to be made hereby that any of the cited references establishes, by itself or in combination with other information, a prima facie case of unpatentability of any claim of the present case.

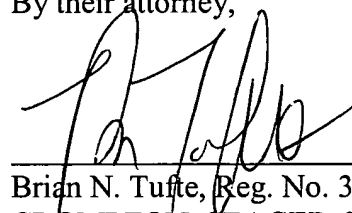
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

Darren D. Cofer et al.

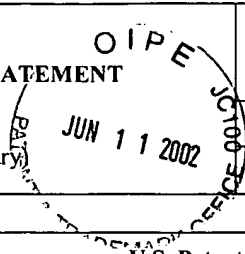
By their attorney,

Dated: June 6, 2002

A handwritten signature in black ink, appearing to read 'Brian N. Tufte', is written over a horizontal line.

Brian N. Tufte, Reg. No. 38,638
CROMPTON, SEAGER & TUFTE, LLC
331 Second Avenue South, Suite 895
Minneapolis, MN 55401-2246
Telephone: (612) 677-9050
Facsimile: (612) 359-9349

FORM 1449*		Docket Number: 1100.1152101 (H0002064)		Application Number: 09/981,928	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION					
(Use several sheets if necessary)					
Applicant: Darren D. Cofer et al				Filing Date: October 16, 2001	
				Group Art Unit: unknown	



U.S. Patent Documents					
Examiner Initial	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
	4,923,066	05/08/90	Ophir et al		
	5,359,363	10/25/94	Kuban et al		
	5,402,168	03/28/95	Fouilloy		
	5,418,567	05/23/95	Boers et al		
	5,448,320	09/05/95	Sakai et al		
	5,477,212	12/19/95	Rumpel		
	5,573,006	11/12/96	Shimotani et al		
	5,627,616	05/06/97	Sergeant et al		
	5,649,255	07/15/97	Schieltz		
	5,677,535	10/14/97	Stephan		
	5,691,765	11/25/97	Schieltz et al		
	5,731,832	03/24/98	Ng, H.		
	5,745,170	04/28/98	Palmer		
	5,752,100	05/12/98	Schrock		
	5,790,910	08/04/98	Haskin		
	5,793,900	08/11/98	Nourbakhsh et al		
	5,795,306	08/19/98	Shimotani et al		
	5,801,770	09/01/98	Paff et al		
	5,818,519	10/06/98	Wren		
	5,835,613	11/10/98	Breed et al		
	5,845,000	12/01/98	Breed et al		
	5,852,754	12/22/98	Schneider		
	5,870,135	02/09/99	Glatt et al		
	5,878,156	03/02/99	Okumura		
	5,953,055	09/14/99	Huang et al		
	6,035,067	03/07/00	Ponticos		
	Des. 347,442	05/31/94	Falconer		

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449*		Docket Number: 1100.1152101 (H0002064)	Application Number: 09/981,928
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Applicant: Darren D. Cofer et al	
		Filing Date: October 16, 2001	Group Art Unit: unknown

O I P E
 JUN 11 2002
 DATE RECEIVED

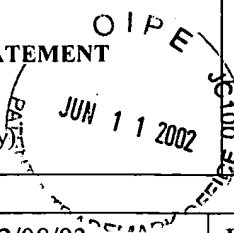
	Des. 349,713	08/16/94	Hasegawa		
	Des. 349,714	08/16/94	Hasegawa		
	Des. 349,911	08/23/94	Shimizu et al		
	Des. 349,913	08/23/94	Morris		
	Des. 354,973	01/31/95	Hisatune et al		
	Des. 365,834	01/02/96	Dozier		
	Des. 378,095	02/18/97	Hasegawa		
	Des. 399,517	10/13/98	Hasegawa		

FOREIGN PATENT DOCUMENTS

Examiner Initial	DOCUMENT NO.	DATE	COUNTRY	CLASS	Translation	
					Yes	No
	EP 0468839 B1	09/06/95	EP			
	EP 0484076 B1	12/18/96	EP			
	EP 0491121 B1	02/28/96	EP			
	EP 0519379 B1	09/04/96	EP			
	EP 0529317 B1	12/18/96	EP			
	EP 0554197 B1	10/09/96	EP			
	EP 0575220 B1	03/04/98	EP			
	EP 0585033 B1	01/14/98	EP			
	EP 0610863 A1	08/17/94	EP			
	EP 0632858 B1	08/12/98	EP			
	EP 0654684 A2	05/24/95	EP			
	EP 0691632 A1	01/10/96	EP			
	EP 0691632 B1	10/21/98	EP			
	EP 0772169 A2	05/07/97	EP			
	EP 0774730 A2	05/21/97	EP			
	EP 0800152 A1	10/08/97	EP			
	EP 0810791 A2	12/03/97	EP			
	JP 07056219	08/10/93	JP			Abstract
	JP 07104362	10/01/93	JP			Abstract

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449*		Docket Number: 1100.1152101 (H0002064)		Application Number: 09/981,928	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION					
(Use several sheets if necessary)					
Applicant: Darren D. Cofer et al				Filing Date: October 16, 2001	
				Group Art Unit: unknown	



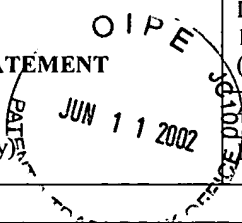
	JP 07159892	12/08/93	JP		Abstract
	JP 07175128	12/20/93	JP		Abstract
	JP 07191390	12/27/93	JP		Abstract
	JP 07222039	01/31/94	JP		Abstract
	JP 07255004	03/14/94	JP		Abstract
	JP 07281276	04/04/94	JP		Abstract
	JP 08076213	09/07/94	JP		Abstract
	JP 08140941	11/25/94	JP		Abstract
	JP 09083999	09/20/95	JP		Abstract
	JP 09193078	01/22/96	JP		Abstract
	JP 10031256	07/16/96	JP		Abstract
	JP 10042231	07/19/96	JP		Abstract
	WO 84/03784	09/27/84	PCT		
	WO 97/01246	01/09/97	PCT		
	WO 97/05741	02/13/97	PCT		
	WO 97/05744	02/13/97	PCT		
	WO 97/12278	04/03/97	PCT		
	WO 98/18026	04/30/98	PCT		
	WO 98/46116	10/22/98	PCT		
	WO 98/47025	10/22/98	PCT		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	The Japan Machinery Federation, "Development for the International Standards in the field of Safety Machinery -- A vision-based protective device (VBPD)," <u>The Japanese National Committee for IEC/TC44</u> , 36 pages, October 1, 2001.
	Aach, T., et al., "Statistical Model-Based Change Detection in Moving Video," Signal Processing, Vol. 31, No. 2, pages 165-180, March 1993.
	Weszka, J.S., "SURVEY: A Survey of Threshold Selection Techniques," Computer Graphics and Image Processing 7, Vol. 7, No. 2, pages 259-265, April 1978.
	Ostermann, J., "Modeling of 3D Moving Objects For An Analysis-Synthesis Coder," SPIE-SPSE: Symposium on Sensing and Reconstruction of 3D Objects and Scenes, Proc. SPIE 1260, pages 240-249, Santa Clara, CA., Feb. 1990.

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449*		Docket Number: 1100.1152101 (H0002064)		Application Number: 09/981,928	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION					
(Use several sheets if necessary)					
Applicant: Darren D. Cofer et al				Filing Date: October 16, 2001	
				Group Art Unit: unknown	



		Xiong, W., et al., "Efficient Scene Change Detection and Camera Motion Annotation, for Video Classification," Computer Vision and Image Understanding, Vol. 71, No. 2, pages 166-181, August 1998.
		Skifstad, K., et al., "Illumination Independent Change Detection for Real World Image Sequences," Computer Vision, Graphics, and Image Processing, Vol., 46, No. 3, pages 387-399, June 1989.
		Vekatsheh, S., "Dynamic Threshold Determination by Local and Global Edge Evaluation," Graphical Models and Image Processing, Vol. 57, No. 2, pages 146-160, March 1995.
		Ostermann, J., "Segmentation of Image Areas Changed Due to Object Motion Considering Shadows," Multimedia Communications and Video Coding, pages 241-246, Y. Wang, Ed., New York: Plenum, 1996.
		Stauder, J., "Segmentation of Moving Objects in Presence of Moving Shadows: Proc. Int. Workshop on Coding Techniques for Very Low Bit Rate Video, Linkoping, Sweden, July 28-30, 1997, pages 41-44
		Hotter, M., et al., "Image Segmentation Based on Object Oriented Mapping Parameter Estimation", Signal Processing, Vol. 15, No. 3, pages 315-334, October 1988.
		U.S. Patent Application Serial No. 09/716,002, filed November 17, 2000, entitled, "Object Detection."
		U.S. Provisional Patent Application Serial No. 60/275,879, filed March 14, 2001, entitled, "Safety Camera."

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	